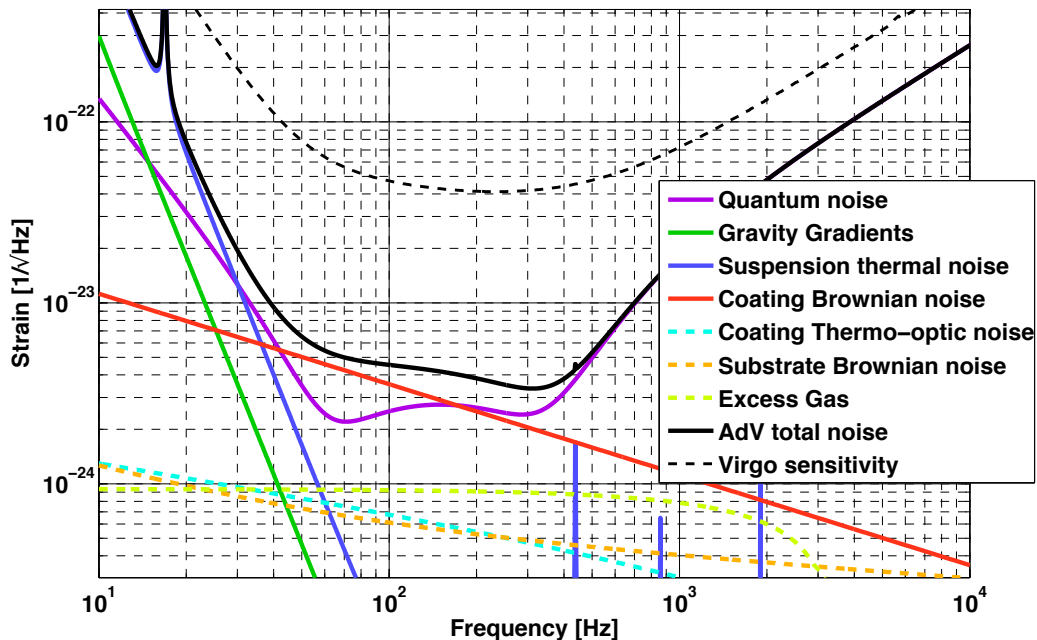


# AdV Noise Curve: $P_{\text{in}} = 125.0 \text{ W}$



**Figure 2:** Reference AdV sensitivity and expected noise contributions. It has been calculated with SR mirror transmittance of 11% and SR phase of 0.15 rad, 125 W of laser power entering the interferometer, cavity finesse of 888 and PR factor of 21.5. The chosen SR tuning optimizes the inspiral range for coalescing binary neutron stars. The Virgo design sensitivity is shown for the sake of comparison.